

Project Title	Funding	Strategic Plan Objective	Institution
Visual system connectivity in a high-risk model of autism	\$0	Q2.S.D	Children's Hospital Boston
Using zebrafish and chemical screening to define function of autism genes	\$399,999	Q4.S.B	Whitehead Institute for Biomedical Research
Using Drosophila to model the synaptic function of the autism-linked NHE9	\$150,000	Q4.S.B	Massachusetts Institute of Technology
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	\$20,000	Q1.L.B	New England Center for Children
Use of a family navigator in families with children newly diagnosed with autism spectrum disorder	\$299,906	Q5.S.A	Boston Medical Center
Understanding the cognitive impact of early life epilepsy	\$845,000	Q2.S.E	Children's Hospital Boston
Uncovering genetic mechanisms of ASD	\$127,500	Q3.L.B	Children's Hospital Boston
Transition to adult services for youth with autism spectrum disorder	\$256,917	Q6.L.A	Massachusetts General Hospital
Training school speech-language pathologists to assess and manage communication skills in children with autism	\$199,183	Q5.Other	University of Massachusetts Amherst
The role of the neurexin 1 gene in susceptibility to autism	\$127,500	Q3.L.B	Massachusetts General Hospital/Harvard Medical School
The neural substrates of repetitive behaviors in autism	\$42,111	Q2.Other	Boston University Medical Campus
The neural basis of sexually dimorphic brain function	\$343,502	Q2.S.B	University of Massachusetts Amherst
The microRNA pathway in translational regulation of neuronal development	\$376,031	Q2.S.D	University of Massachusetts Medical School
The effects of Npas4 and Sema4D on inhibitory synapse formation	\$0	Q2.Other	Children's Hospital Boston
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	\$112,327	Q2.S.E	Beth Israel Deaconess Medical Center
The effect of mercury and neuropeptide triggers on human mast cell release of neurotoxic molecules	\$5,000	Q2.S.A	Tufts University
The development of face processing	\$512,804	Q2.Other	Children's Hospital Boston
The brain genomics superstruct project	\$150,000	Q2.S.G	President & Fellows of Harvard College
The Autism Curriculum Encyclopedia® (ACE®)	\$47,500	Q4.Other	New England Center for Children, Inc.
Supporting the well-being of families of young children with autism spectrum disorders	\$399,994	Q5.Other	Boston Medical Center
Stimulus overselectivity in visual discrimination: Analysis and remediation (supplement)	\$265,928	Q4.Other	University of Massachusetts Medical School
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	\$24,731	Q2.S.G	Children's Hospital Boston
Simons Simplex Collection Site	\$483,393	Q3.L.B	Children's Hospital Boston
Signatures of gene expression in autism spectrum disorders	\$75,000	Q1.L.A	Children's Hospital Boston
Role of TSC/mTOR signaling pathway in autism and autism spectrum disorders	\$83,403	Q3.L.B	Massachusetts General Hospital

Project Title	Funding	Strategic Plan Objective	Institution
Role of Pam in synaptic morphology and function	\$127,497	Q2.Other	Massachusetts General Hospital
Rodeo: A platform for discovery and analysis of protein network motifs	\$177,496	Q7.O	Harvard University
RNA expression studies in autism spectrum disorders	\$250,000	Q1.L.A	Children's Hospital Boston
RNA expression patterns in autism	\$706,052	Q3.L.B	Children's Hospital Boston
Review of the literature on selenocysteine metabolism and selenoproteins in autism	\$3,000	Q2.Other	Northeastern University School of Pharmacy
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	\$125,000	Q2.Other	Massachusetts General Hospital
Relational stimulus control management in neurodevelopmental disabilities	\$212,250	Q4.S.G	University of Massachusetts Medical School
Regulation of synaptogenesis by cyclin-dependent kinase 5	\$342,454	Q2.Other	Massachusetts Institute of Technology
Recessive genes for autism and mental retardation	\$148,856	Q3.L.B	Beth Israel Deaconess Medical Center
Randomized phase 2 trial of RAD001 (an MTOR inhibitor) in patients with tuberous sclerosis complex	\$65,000	Q4.L.A	Childrens Hospital Boston
Racial/ethnic disparities in family burden & health care of children with autism	\$98,962	Q5.S.A	Brandeis University
Quantitative analysis of craniofacial dysmorphology in autism	\$137,861	Q1.S.A	University of Massachusetts Medical School
Quality of life for children with autism spectrum disorders and their parents	\$127,500	Q5.Other	Massachusetts General Hospital
Prosodic and pragmatic processes in highly verbal children with autism	\$149,999	Q1.L.C	President & Fellows of Harvard College
Probing disrupted cortico-thalamic interactions in autism spectrum disorders	\$531,624	Q2.S.D	Children's Hospital Boston
Population genetics to improve homozygosity mapping and mapping in admixed groups	\$45,590	Q3.L.B	Harvard Medical School
Perturbed activity-dependent plasticity mechanisms in autism	\$311,292	Q2.Other	Harvard Medical School
Olivocerebellar circuitry in autism	\$756,917	Q2.Other	Boston University Medical Campus
Novel methods for testing language comprehension in children with ASD	\$82,537	Q1.S.B	Boston University
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	\$161,094	Q2.S.D	Dana-Farber Cancer Institute
Neurophysiological investigation of language acquisition in infants at risk for ASD	\$28,000	Q1.L.A	Boston University
Neuronal activity-dependent regulation of MeCP2 (supplement)	\$77,123	Q2.S.D	Harvard Medical School
Neuronal activity-dependent regulation of MeCP2	\$437,522	Q2.S.D	Harvard Medical School

Project Title	Funding	Strategic Plan Objective	Institution
Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X	\$210,000	Q4.S.B	Massachusetts Institute of Technology
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	\$304,500	Q4.S.B	Beth Israel Deaconess Medical Center
Neurobehavioral research on infants at risk for SLI and autism	\$691,847	Q1.L.A	Boston University Medical Campus
Neural substrate of language and social cognition: Autism and typical development	\$50,474	Q2.Other	Massachusetts Institute of Technology
Neural mechanisms for social cognition in autism spectrum disorders	\$223,233	Q2.Other	Massachusetts Institute of Technology
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	\$491,909	Q2.S.G	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	\$171,842	Q2.S.G	Massachusetts General Hospital
Neural and cognitive mechanisms of autism	\$375,000	Q4.S.B	Massachusetts Institute of Technology
Multimodal analyses of face processing in autism & down syndrome	\$156,083	Q2.Other	University of Massachusetts Medical School
MicroRNAs in synaptic plasticity and behaviors relevant to autism	\$131,220	Q2.S.D	Massachusetts General Hospital
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	\$128,445	Q4.S.B	Massachusetts Institute of Technology
Mental Health/Disabilities (MHDD) Research Education Program	\$154,942	Q7.K	Children's Hospital Boston
MEG investigation of the neural substrates underlying visual perception in autism	\$126,317	Q2.Other	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	\$0	Q3.L.C	Harvard University
Maternal risk factors for autism in the Nurses Health Study II & #8211; a pilot study	\$57,919	Q3.L.C	Harvard School of Public Health
Maternal dietary factors and risk of autism spectrum disorders	\$0	Q3.L.C	Harvard Medical School
Learning and compression in human working memory	\$84,000	Q2.Other	Harvard University
Leadership Education in Neurodevelopmental Disabilities	\$779,256	Q5.L.C	University of Massachusetts Medical School
Leadership Education in Neurodevelopmental Disabilities	\$755,326	Q5.L.C	Children's Hospital Boston

Project Title	Funding	Strategic Plan Objective	Institution
Investigation of postnatal drug intervention's potential in rescuing the symptoms of fragile X syndrome in adult mice	\$0	Q2.S.D	Massachusetts Institute of Technology
Investigation of genes involved in synaptic plasticity in Iranian families with ASD	\$0	Q3.L.B	Massachusetts General Hospital
International Mental Health/Developmental Disabilities Research Training Program	\$188,000	Q7.K	Children's Hospital Boston
Infrastructure support for autism research at MIT	\$1,500,000	Q7.K	Massachusetts Institute of Technology
Influence of oxidative stress on transcription and alternative splicing of methionine synthase in autism	\$28,000	Q2.S.A	Northeastern University
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	\$0	Q2.Other	Massachusetts Institute of Technology
Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	\$127,500	Q1.L.A	Harvard Medical School
Identification of lipid biomarkers for autism	\$0	Q1.L.A	Massachusetts General Hospital
Human autism genetics and activity dependent gene activation	\$2,639,516	Q3.S.A	Children's Hospital Boston
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	\$143,883	Q2.Other	Harvard University
HCC: Collaborative research: Social-emotional technologies for autism spectrum disorders	\$175,362	Q4.S.F	Massachusetts Institute of Technology
Guiding visual attention to enhance discrimination learning	\$146,861	Q4.Other	University of Massachusetts Medical School
Grant to purchase tissue freezer and coil to allow for phosphorous magnetic resonance spectroscopy	\$30,445	Q7.Other	Treatment Research and Neuroscience Evaluation of Neurodevelopmental Disorders (TRANSCEND) Research Laboratory, Massachusetts General Hospital
Genome-wide analyses of DNA methylation in autism	\$400,000	Q3.S.J	Massachusetts General Hospital
Genes disrupted by balanced genomic rearrangements in autism spectrum disorders	\$307,842	Q3.L.B	Massachusetts General Hospital
Gene expression profiling of autism spectrum disorders	\$0	Q3.L.B	Children's Hospital Boston
Functional money skills readiness training: Teaching relative values	\$370,740	Q5.Other	Praxis, Inc.
Finding recessive genes for autism spectrum disorders	\$186,825	Q3.L.B	Children's Hospital Boston
Finding autism genes by genomic copy number analysis	\$582,867	Q3.S.A	Children's Hospital Boston
Environmentally induced oxidative stress and altered local brain thyroid hormone metabolism: relevance to autism?	\$25,000	Q2.S.A	Harvard Medical School; Brigham and Women's Hospital
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	\$320,250	Q2.Other	Brandeis University

Project Title	Funding	Strategic Plan Objective	Institution
Electrophysiological, metabolic and behavioral markers of infants at risk	\$378,751	Q1.L.A	Children's Hospital Boston
Does training in acting foster theory of mind, empathy, and emotion regulation?	\$99,785	Q4.Other	Boston College
Does thimerosal elicit a hormetic response?	\$6,275	Q3.S.E	Northeastern University
Does mercury and neurotension induce mitochondrial DNA release from human mast cells and contribute to auto-immunity in ASD?	\$40,000	Q2.S.A	Tufts University
Do animations facilitate symbol understanding in children with autism?	\$199,996	Q4.S.G	Northeastern University
Dissecting the circuitry basis of autistic-like behaviors in mice	\$175,000	Q4.S.B	Massachusetts Institute of Technology
Dimensions of mind perception	\$112,584	Q2.Other	Harvard University
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	\$0	Q4.S.B	Massachusetts Institute of Technology
Developmental Behavioral Pediatrics Training Program	\$192,467	Q5.L.C	Children's Hospital Boston
Developmental Behavioral Pediatrics Training Program	\$192,467	Q5.L.C	Boston Medical Center
Delayed motor learning in autism	\$338,740	Q4.Other	Brandeis University
CPEA Data Coordinating Center (supplement)	\$59,632	Q7.Other	DM-Stat, Inc.
Cortical mechanisms underlying visual motion processing impairments in autism	\$0	Q2.Other	Harvard Medical School/McLean Hospital
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	\$155,063	Q4.S.B	Massachusetts General Hospital
Contingency manipulation in discrete trial interventions for children with autism	\$212,250	Q4.Other	University of Massachusetts Medical School
Contingency analyses of observing and attending in intellectual disabilities	\$298,293	Q4.S.G	University of Massachusetts Medical School
Computer adaptive testing of adaptive behavior of children and youth with autism	\$284,375	Q1.S.A	Boston University
Comprehensive follow-up of novel autism genetic discoveries	\$0	Q3.L.B	Massachusetts General Hospital
Comprehensive collection, charting, and communication system	\$249,297	Q5.Other	Symtrent, Inc.
Communicative and emotional facial expression production in children with autism	\$212,250	Q2.Other	University of Massachusetts Medical School
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	\$47,288	Q2.Other	College of the Holy Cross
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$149,965	Q1.L.B	Trustees of Boston University

Project Title	Funding	Strategic Plan Objective	Institution
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$300,000	Q1.L.B	Massachusetts Institute of Technology
Characterizing the genetic systems of autism through multi-disease analysis	\$630,255	Q2.S.G	Harvard Medical School
Characterization of autism susceptibility genes on chromosome 15q11-13	\$47,606	Q4.S.B	Beth Israel Deaconess Medical Center
CAREER: Typical and atypical development of brain regions for theory of mind	\$89,214	Q2.Other	Massachusetts Institute of Technology
Behavioral intervention in autism: Practitioner skills	\$518,113	Q5.L.C	Praxis, Inc.
Behavioral and sensory evaluation of auditory discrimination in autism	\$151,692	Q2.Other	University of Massachusetts Medical School
BDNF secretion and neural precursor migration	\$0	Q2.Other	Dana-Farber Cancer Institute
Autism Intervention Research Network on Physical Health (AIR-P network)	\$3,651,425	Q4.S.A	Massachusetts General Hospital
Autism: The neural substrates of language in siblings	\$56,955	Q2.S.G	Boston University Medical Campus
Assessing a participant directed service system for low income children with ASD	\$291,635	Q5.S.B	Brandeis University
A recurrent genetic cause of autism	\$400,000	Q3.L.B	Massachusetts General Hospital
Architecture of myelinated axons linking frontal cortical areas	\$0	Q2.Other	Boston University
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
Analysis of the small intestinal microbiome of children with autism	\$0	Q3.S.I	Massachusetts General Hospital
A multi-site clinical randomized trial of the Hanen More Than Words Intervention	\$0	Q4.S.D	University of Massachusetts Boston
Activity-dependent phosphorylation of MeCP2	\$173,979	Q2.S.D	Harvard Medical School
2/5-Elucidating the genetic architecture of autism by deep genomic sequencing	\$1,723,105	Q3.S.A	Broad Institute

